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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-------------------------|-------------|----------------------|---------------------|------------------|
| 10/565,918 | 01/24/2006 | Hisanori TSUBOI | 112857-521 | 7765 |
| 29175 | 7590 | 08/14/2008 | EXAMINER | |
| BELL, BOYD & LLOYD, LLP | | | HESS, BRUCE H | |
| P. O. BOX 1135 | | | ART UNIT | PAPER NUMBER |
| CHICAGO, IL 60690 | | | 1794 | |
| MAIL DATE | | DELIVERY MODE | | |
| 08/14/2008 | | PAPER | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/565,918 | TSUBOI ET AL. | |
| | Examiner | Art Unit | |
| | Bruce H. Hess | 1794 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 24 January 2006.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 23-44 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 23-44 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 01/24/06, 07/17/06 and 10/16/07.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application

6) Other: _____.

1. Claims 23-27 and 29-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over the patent to Gunze et al. (JP 2001-001645) in view of the patent to Nakamura (JP 07-228048).

The primary reference teaches a reversible multicolor recording medium comprising a substrate coated with a plurality of recording layers that differ in hue. LTHC material is employed in association with the coloring material. The secondary reference teaches the advantages (e.g., the ability to obtain different hues) of using a mixture of LTHC material which absorb at different wavelengths. Consequently, use of a mixture of LTHC material in the multicolor recording medium of the primary reference as suggested by the secondary reference in order to obtain different hues would have been obvious to one of ordinary skill in this art in the absence of unexpected results.

2. Claims 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over the patent to Gunze et al. in view of the patent to Nakamura taken with either of the patents to Ishida et al. (JP 59-089192) or Tsuboi et al. (JP 2004-155010).

The primary and secondary references are discussed above. The tertiary references teach that LTHC material is routinely added directly into the recording layers of multicolor recording media. Given the cost savings of not having to apply separate layers, incorporation of the primary reference's LTHC material into the recording layers would have been obvious to one of ordinary skill in this art in the absence of unexpected results.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bruce H. Hess whose telephone number is (571)-272-1525. The examiner can normally be reached on Monday - Friday, 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on (571)-272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bruce H Hess
Primary Examiner
Art Unit 1794

/Bruce H Hess/
Primary Examiner, Art Unit 1794